## FIRING TABLES AND EXAMPLE SCORECARDS

This appendix provides firing tables for the subcaliber gunnery trainers discussed in this manual. It also includes an example of a completed scorecard for each light antiarmor weapon. All instructional and qualification firing tables are conducted on suitable ranges with ammunition designated in the firing tables. Some tables are fired in daylight, others in limited visibility, but all have some NBC firing (Table E-1).

|                | Instructional day fire, stationary targets |  |  |
|----------------|--|--|--|
| M72-Series LAW | Instructional day fire, moving targets     |  |  |
|                | Instructional night fire                   |  |  |
|                | Instructional fire                         |  |  |
|                | Instructional night fire                   |  |  |
| M136 AT4       | Qualification fire                         |  |  |
|                | Qualification night fire                   |  |  |
|                | Advanced instructional fire                |  |  |

Table E-1. Firing tables for light antiarmor weapons.

## E-1. M72-SERIES LAW

The M190 35-mm subcaliber device is used to fire the instructional firing tables for the M72-series LAW and DA Form 7323-R (M72-Series LAW Scorecard) is used to score them. Figure E-1 shows an example of the completed form. The instructional day and night firing tables for the LAW are provided in Tables E-2 and E-3.

**NOTE**: A blank copy of the form is located at the end of this publication for local reproduction on 8 1/2-inch by 11-inch paper.

|          |   | M72  | 2-SERI                     | ES LAW SC  | ORECARD   |             |  |                                     |
|----------|---|--|----------------------------|--|---|-------------|--|-------------------------------------|
|          |   |  |                            | this form are p<br>the proponent a                   | rovided in FM 23-25.<br>agency.   |             |  |                                     |
| NAME     | THIELE, ST.                             | <b>E</b> PHE <b>N</b>                        |                            | ssn/2  | 3-45-6789   |             | _ DATE                                 | APR94                               |
| GRADE _4 | E-5 RATING/E                            | <u>CLAS</u> SUNIT <u>HHC <sup>2</sup>/24</u> |                            | ue   | ATHER<br>ircle one) CLEAR   | RAIN        | FOG                                    | SNOW                                |
| PULLDOSE | USES: Evaluate in some sonly. MANDATORY | ) / Executive Order 9                        | 397<br>and det<br>LOSURE A | ermine proficie                                      | IVACY ACT OF 1 PRINCIPAL PURPOSE(S): ncy level. SSN is us INDIVIDUAL NOT PROVID | Record ind  | itive ident                            | formance.<br>ification<br>oluntary. |
| TABLE    | TYPE OF FIRE                            | TYPE OF TARGET                               | ROUND                      | RANGE (M)  | FIRING POSITION   |             | HIT                                    | MISS                                |
| 1        | Instructional<br>DAY                    | Stationary                                   | 1<br>2<br>* 3<br>* 4       | 125 to 150<br>150 to 175<br>150 to 200<br>125 to 150 | Standing<br>Kneeling<br>Sitting<br>Prone<br>Table                               | Subtotals   | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |                                     |
| FIRER'S  |   | hiele DA                                     | ATE                        | SCORER SIGNATU                                       | - /X \ \U\I\H   | win .       | DATE /                                 | 9APR 94                             |
| 2        | Instructional<br>DAY                    | Moving                                       | 1<br>2<br>* 3              | 100 to 200<br>100 to 200<br>100 to 200               | Standing<br>Sitting<br>Kneeling<br>Table  | Subtotals   | <u>√</u> <u>2</u>                      |                                     |
| FIRER'S  |   | rieleDA                                      | ате2 <i>0<b>Д</b>О</i>     | SCORER<br>SIGNATU                                    |   | Ne.         | DATE .                                 | O APR 94                            |
| 3        | Instructional<br>NIGHT                  | Stationary                                   | 1<br>2<br>* 3              | 100 to 150<br>100 to 150<br>100 to 150               | Kneeling<br>Sitting<br>Sitting<br>Table   | Subtotals   | <u>/</u> / <u>/ / 2</u>                | <u>~</u>                            |
| FIRER'S  | s<br>URE Alphi                          | Trich D/                                     |                            |  |   | ik .        | DATE 2                                 |                                     |
|          |   | Ç I  | ONSOL                      | IDATED   | SCORES  |             |  |                                     |
|          | FIRER'S<br>SIGNATURE                    | phe Thiele                                   |                            |  | _ DATE 21 APR 9   | TOTAL MISSE |  | -                                   |
|          | SCORER'S<br>SIGNATURE                   | eny O Hartin                                 |                            |  | DATE 21 APR 94  | RANK        | SFC.                                   | -                                   |
|          | RANGE OIC'S<br>SIGNATURE                | eny ander                                    | 2,                         |  | _ DATE 21APR 97   | RANK        | Cor                                    | -                                   |
|          |   |  |                            |  | OTES  |             |  |                                     |
|          |   | ALL FIRING<br>TABLES                         |                            | ot announce the<br>all engagements                   | ranges to targets.<br>s in sequence.  |             |  |                                     |
| DA F     | orm 7323, JUL                           | . 94   |                            |  |   |             |  |                                     |

Figure E-1. Example completed DA Form 7323-R.

|                | TABLE 1  |  |  |  |
|----------------|--|--|--|--|
|                | M72-Series LAW Instructional Day Fire,                         |  |  |  |
|                | Stationary Targets   |  |  |  |
| TASK           | Each soldier engages stationary armored targets with the       |  |  |  |
|                | M190 subcaliber device.  |  |  |  |
| CONDITIONS     | Given one M190 subcaliber device and four M73 rockets, on      |  |  |  |
|                | a suitable firing range with stationary targets at a range of  |  |  |  |
|                | 100 to 225 meters. Two targets are engaged in MOPP4.           |  |  |  |
| STANDARD       | The soldier fires four rockets at stationary targets and       |  |  |  |
|                | achieves at least three hits.                                  |  |  |  |
|                | TABLE 2  |  |  |  |
|                | M72-Series LAW Instructional Day Fire,                         |  |  |  |
| Moving Targets |  |  |  |  |
| TASK           | Each soldier engages moving armored targets with the M190      |  |  |  |
|                | subcaliber device.   |  |  |  |
| CONDITIONS     | Given one M190 subcaliber device, three M73 rockets, and       |  |  |  |
|                | targets moving at a rate of 8 to 24 kmph and at a range of     |  |  |  |
|                | 100 to 200 meters. Frontal and oblique-moving targets may      |  |  |  |
|                | be used when a manned, moving tank is available. One           |  |  |  |
|                | target is engaged in MOPP4.                                    |  |  |  |
| STANDARD       | The soldier fires three rockets at moving targets and achieves |  |  |  |
|                | at least two hits.   |  |  |  |

Table E-2. Instructional day firing tables for the M72-series LAW.

| TABLE 3<br>M72-Series LAW Instructional Night Firing  |   |  |  |  |
|---|---|--|--|--|
| Before you can use the AN/PVS-4, you must install an M72A1 sight reticle on it and Boresight it to an expended M72-series LAW launcher. |   |  |  |  |
| TASK  | Each soldier engages stationary targets at night with the M190 subcaliber device.   |  |  |  |
| CONDITIONS  | Given one M190 subcaliber device and three M73 rockets, on a suitable firing range with stationary targets at a range of 100 to 150 meters, at night, and either an AN/PVS-4 or illumination provided by indirect fire. |  |  |  |
| STANDARD  | The soldier fires three rockets at stationary targets and achieves at least one hit. He engages one of these targets in MOPP4.  |  |  |  |

Table E-3. Instructional night firing table for the M72-series LAW.

## E-2. M136 AT4

The M287 9-mm tracer bullet trainer is used to fire the instructional, qualification, and advanced instructional firing tables for the M136 AT4 and DA Form 7324-R (M136 AT4 Scorecard) is used to score them. A copy of this form is located at the end of this publication for local reproduction on 8 1/2-inch by 11-inch paper. Figure E-2 shows an example of the completed form; Tables E-4 through E-6, on pages E-7, E-8, and E-9, provide the instructional, qualification, and advanced instructional firing tables for the AT4. The latter must be fired on a separate, more specialized range.

## E-3. NIGHT COURSE OF FIRE TABLES AND QUALIFICATION FOR M136 AT4

Each soldier is given a PMI before the instructional and qualification tables are fired. Once the soldier completes Table I and III (day tables), he is given additional instruction on the use of the aided vision devices for the night operations.

- a. Qualification Tables for the M287 Tracer Trainer.
  - Table I (Instructional Day). This scenario consists of 12 targets from 100 to 300 meters. The standard to proceed to the next table is 6 out of 12 targets successfully engaged.
  - Table II (Instructional Night). This scenario consists of 8 targets from 100 to 300 meters. The standard to proceed to the next table is 6 out of 12 targets successfully engaged at night.
  - Table III (Qualification Day). This scenario consists of 8 targets from 100 to 300 meters. The standard to proceed to the next table is 6 out of 8 targets successfully engaged.
  - Table IV (Qualification Night). This scenario consists of 8 targets from 100 to 300 meters (same as Table III, but conducted at night). The standard to proceed to the advanced firing tables is 6 out of 8 targets successfully engaged.

**NOTES**: 1. In Table IV, eight engagements are proposed as opposed to the current six engagements.

- 2. All references to the M136 launcher and cartridge refer to the M287 9-mm tracer bullet training device.
- b. **Ammunition Requirements for Night Training Strategy**. The current STRAC ammunition allocation and course of fire is compared with the proposed night training strategy in Table E-7 on page E-9. The current STRAC table stipulates that 120 rounds of 9-mm tracer ammunition is authorized to each squad for additional squad members to fire Tables I and IV.
- c. **Day Standards**. Commanders are able to achieve the current day standard at night with the M136 AT4 through the use of training strategy within this field manual. A gunner who is qualified on the day standard and has executed preliminary marksmanship training with the appropriate night vision device can achieve the current day standard at night. During testing, gunners had no problem engaging targets out to 300 meters. Table E-8, on page E-9, shows the day standard and is also the proposed night standard.

| AME    | DINK       | KENS,               | DAVID                                   |                 | ssn /35   | -24-56                  | <i>18</i>                              | DATE 19  | APRA      |
|--------|------------|---------------------|---|-----------------|---|-------------------------|--|--|-----------|
|        |            |                     |   |                 | UE  | ATHER                   |  |  |           |
| RADE _ | <i>E-3</i> | ATING               | UNIT ##C 2/2                            | 9 INF           | REGT. (c  | ircle one)              | CLEAR RAI                              | N FOG  | SNOV      |
|        |            |                     | -                                       |                 | BY THE PRI  |                         |  |  |           |
|        |            |                     | / Executive Order<br>dividual proficien |                 |   |                         | OSE(S): Record i<br>SN is used for p   |  |           |
|        |            |                     | OR VOLUNTARY DIS<br>information cannot  |                 |   |                         | F PROVIDING INFO                       | ORMATION:  | Voluntary |
|        | TVDF 05    | F10F                | TYPE OF TARGET                          |                 | DANCE (M)   | EIDING DOGI             |  |  | WICC      |
| ABLE   | TYPE OF    | FIRE                | TYPE OF TARGET                          | ROUND           | RANGE (M)   | FIRING POSI             | I I UM                                 | ніт  | MISS      |
|        |            |                     | Stationary                              | 1               | 150 to 200  | Kneeling                |  | <u>~</u>   |           |
|        |            |                     | Stationary                              | * 2<br>3        | 150 to 200<br>250 to 300                                    | Kneeling<br>Sitting     |  | <u> </u>   |           |
|        |            |                     | Stationary<br>Stationary                | 4               | 250 to 300  | Sitting                 |  | <u>v</u>   | _         |
| 1      | Instru     | tional              | Stationary                              | 5               | 125 to 150  | Prone                   |  | KKKKKK   |           |
| •      | Day        |                     | Stationary                              | 6               | 125 to 150  | Prone                   |  | ~  |           |
|        |            |                     | MMTT/MAS                                | 7               | 150 to 200  | Kneeling                |  | $\overline{\mathbf{v}}$  |           |
|        |            |                     | MMTT/MAS                                | * 8             | 150 to 200  | Kneeling                |  | V  | <u></u>   |
|        |            |                     | MMTT/MAS                                | 9               | 200 to 250  | Standing                |  |  | ~         |
|        |            |                     | MMTT/MAS                                | *10             | 200 to 250  | Fighting po             |  |  | .,        |
|        |            |                     | MMTT/MAS                                | 11              | 250 to 300  | unsupport<br>Kneeling   | ed                                     | V  | <u>/</u>  |
|        |            |                     | MMTT/MAS                                | 12              | 250 to 300  | Kneeling                |  |  | 1         |
|        |            |                     | mm11/mA3                                | 12              | 250 10 500  | -                       |  |  |           |
|        |            | _                   |   |                 |   | 1                       | able Subtotals                         |  | 3         |
| I GNAT | URE        | wa r                |   | DATE <u>194</u> |   |                         | Sell                                   | DATE <u>/</u>  | 9.Apr 9   |
|        |            |                     | Stationary                              | 1               | 125 to 150<br>125 to 150                                    | Prone                   |  |  |           |
|        |            |                     | Stationary<br>Stationary                | 2<br>* 3        | 150 to 200  | Prone<br>Sitting        |  | <u> </u>   | _         |
|        |            |                     | Stationary                              | 4               | 150 to 200  | Sitting                 |  | <del>-</del>   |           |
|        |            |                     | Stationary                              | 5               | 250 to 300  | Kneeling                |  |  | <u></u>   |
| 2      | Instru     | tional              | Stationary                              | 6               | 250 to 300  | Kneeling                |  | VAN   VA |           |
|        | Night      |                     | MMTT/MAS -                              | 7               | 125 to 150  | Standing                |  | <u>v</u>   |           |
|        |            |                     | MMTT/MAS                                | 8               | 125 to 150  | Standing                |  | _  |           |
|        |            |                     | MMTT/MAS                                | * 9             | 200 to 250  | Kneeling                |  |  |           |
|        |            |                     | MMTT/MAS                                | 10              | 200 to 250<br>150 to 200                                    | Kneeling                |  |  |           |
|        |            |                     | MMTT/MAS<br>MMTT/MAS                    | 11<br>12        | 150 to 200  | Standing<br>Fighting po | cition                                 |  |           |
|        |            |                     | mmi i / mas                             | 12              | 150 to 200  | unsupport               | •                                      | <b>V</b>   |           |
|        |            |                     |   |                 |   |                         |  | a  | 7         |
|        |            | ,                   | 1                                       |                 |   | '                       | able Subtotals                         | <u> </u>   | 2         |
| IRER'  | s //       | ird D               | in his                                  | 10              | SCORER  | s -                     | ///                                    |  | -1        |
| IGNAT  | URE N      | vu vi               | nkins                                   | DATE <u>194</u> | <i>PR 94</i> signatu  | RE MA                   | m                                      | DATE 🗹   | APR G     |
|        |            |                     | * Firer mus                             | wear a p        | rotective mask w  | hen firing this         | s round.                               |  |           |
|        |            |                     |   | INST            | RUCTOR N  | OTES                    |  |  |           |
|        |            |                     |   |                 |   |                         |  | —  |           |
|        |            | ALL FIRIN<br>TABLES | G • Fire al                             | l engageme      | the ranges to tai<br>ents in sequence.<br>ore Table 3; fire | ,                       | e Table 4.                             |  |           |
|        |            | FIRING TA           | BLES   • Total b                        | its and mi      |   | results in the          | ed moving tank tan<br>consolidated sco |  |           |

Figure E-2. Example completed DA Form 7324-R (front).

| 3 Qua Day  IRER'S IGNATURE  4 Qua Nigi                    | Marid Din                               | Stationary<br>Stationary<br>Stationary<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS   | * 1 2 3 4 5 6 6 * 7 8 8 DATE 2 1 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals   | HIT HISS                    |
|---|---|--|--|--|--|-----------------------------|
| IRER'S Advi   | Mard Jin                                | Stationary Stationary Stationary MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS Stationary Stationary Stationary Stationary MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS Sequence Sequence Sequence Pair | * 1 2 3 4 * 5 6 6  | 150 to 200 200 to 250 250 to 300 125 to 150 150 to 200 200 to 250 250 to 300   **SCORER**  **SCORER**  **SCORER**  **SCORER**  **SCORER**  **SCORER**                | Kneeling Sitting Kneeling Fighting position, unsupported Sitting Kneeling Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  |                             |
| IRER'S Advi   | Mard Jin                                | Stationary Stationary Stationary MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS Stationary Stationary Stationary Stationary MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS Sequence Sequence Sequence Pair | * 3 4 5 6  * 7 8  DATE 21 Ar  * 1 2 3 4 * 5 6  DATE 21 Ar  2 3 4 2 3     | 200 to 250 250 to 300 125 to 150 150 to 200 200 to 250 250 to 300  SCORER' 125 to 150 200 to 250 250 to 300 125 to 150 200 to 250 250 to 200 125 to 150 200 to 250   | Kneeling Sitting Kneeling Fighting position, unsupported Sitting Kneeling Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  |                             |
| IRER'S Advi   | Mard Jin                                | Stationary Stationary MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS  Stationary Stationary Stationary MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS MHTT/MAS Sequence Sequence Pair                               | * 7 8  DATE 1 1 2 3 4 * 5 6  DATE 2 1 A 2 2 3                            | 250 to 300 125 to 150 150 to 200 200 to 250 250 to 300  SCORER* 125 to 150 200 to 250 250 to 300 150 to 200 125 to 150 200 to 250 200 to 250                         | Sitting Sitting Sitting Kneeling Fighting position, unsupported Sitting Kneeling Table Subtotals  Standing or Prone Kneeling Sitting Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals   |                             |
| IRER'S Advi   | Mard Jin                                | Stationary MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS  Stationary Stationary Stationary Stationary MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS Sequence Sequence Sequence Pair                               | * 7 8  DATE 21 Ar  * 1 2 3 4 * 5 6  DATE 21 Ar  2 3                      | 125 to 150<br>150 to 200<br>200 to 250<br>250 to 300<br>250 to 300<br>250 to 300<br>125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250 | Sitting Kneeling Fighting position, unsupported Sitting Kneeling Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals   |                             |
| IRER'S IGNATURE  4 Qua Nigi IRER'S IGNATURE  5 Adv. Ins   | Marry Din<br>Ulification<br>tht         | MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS Stationary Stationary Stationary Stationary MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS Sequence Sequence Sequence Pair                                  | * 1 2 3 4 * 5 6 6 DATE 21 AF   | 150 to 200 200 to 250 250 to 300  SCORER* 125 to 150 200 to 250 250 to 300 150 to 200 125 to 150 200 to 250 250 to 350   | Kneeling Fighting position, unsupported Sitting Kneeling  Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported  Table Subtotals  Sitting Sitting Sitting Fighting position, Sitting Fighting position, Sitting Fighting position, Sitting Sitting Sitting Sitting |                             |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | MMTT/MAS MMTT/MAS  Stationary Stationary Stationary MMTT/MAS MMTT/MAS MMTT/MAS MMTT/MAS Sequence Sequence Sequence Pair  | * 7 8  DATE 2 1 AP  * 1 2 3 4 * 5 6  DATE 2 1 AP  1 2 3 3                | 200 to 250<br>250 to 300<br>SCORER'<br>SIGNATU<br>125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250                                   | unsupported Sitting Kneeling Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting Sitting Sitting Sitting  |                             |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | Stationary<br>Stationary<br>Stationary<br>Stationary<br>MHTT/MAS<br>MHTT/MAS<br>MHTT/MAS<br>Sequence<br>Sequence<br>Sequence<br>Pair   | * 1 2 3 4 * 5 6  DATE 21At   | 250 to 300  250 to 300  250 to 300  250 to 250 250 to 300 150 to 200 150 to 250 250 to 350 250 to 350 250 to 350 250 to 350  | Sitting Kneeling Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting Sitting  | 1                           |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | Stationary<br>Stationary<br>Stationary<br>Stationary<br>MHTT/MAS<br>MHTT/MAS<br>MHTT/MAS<br>Sequence<br>Sequence<br>Sequence<br>Pair   | * 1 2 3 4 * 5 6  DATE 21At   | 250 to 300  250 to 300  250 to 300  250 to 250 250 to 300 150 to 200 150 to 250 250 to 350 250 to 350 250 to 350 250 to 350  | Table Subtotals  Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting Sitting   | 1                           |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | Stationary<br>Stationary<br>Stationary<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS   | * 1 2 3 4 5 6 6 DATE 21 AF   | 125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting Sitting  | 1                           |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | Stationary<br>Stationary<br>Stationary<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS   | * 1 2 3 4 * 5 6 6  | 125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals Sitting Sitting Sitting Sitting   | 1                           |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | Stationary<br>Stationary<br>Stationary<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS   | * 1 2 3 4 * 5 6 6  | 125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals Sitting Sitting Sitting   | V                           |
| 4 Qua<br>Nigi<br>KRER'S<br>IGNATURE Advi<br>5 Advi<br>Ins | dification that  Mainta Diving anced    | Stationary<br>Stationary<br>Stationary<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS<br>MMTT/MAS   | * 1 2 3 4 * 5 6 6  | 125 to 150<br>200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Standing or Prone Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals Sitting Sitting Sitting   | V                           |
| Nigi<br>IRER'S<br>IGNATURE A                              | Maird Di                                | Stationary Stationary MTT/MAS MMTT/MAS MMTT/MAS MCINS Sequence Sequence Pair   | 2<br>3<br>4<br>* 5<br>6<br>DATE 2/Ar                                     | 200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting Sitting  | <del>-</del> <del>-</del> = |
| Nigi<br>IRER'S<br>IGNATURE A                              | Maird Di                                | Stationary Stationary MTT/MAS MMTT/MAS MMTT/MAS MCINS Sequence Sequence Pair   | 2<br>3<br>4<br>* 5<br>6<br>DATE 2/Ar                                     | 200 to 250<br>250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Kneeling Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting Sitting  | <del>-</del> <del>-</del> = |
| Nigi<br>IRER'S<br>IGNATURE A                              | Maird Di                                | Stationary MMTT/MAS MMTT/MAS MMTT/MAS  MMTT/MAS  Sequence Sequence Pair  | 3<br>4<br>5<br>6<br>DATE <u>21 Ar</u><br>1<br>2<br>3                     | 250 to 300<br>150 to 200<br>125 to 150<br>200 to 250   | Sitting Sitting Sitting Kneeling Fighting position, unsupported Table Subtotals  Sitting Sitting   | <del>-</del> <del>-</del> = |
| Nigi<br>IRER'S<br>IGNATURE A                              | Maird Di                                | MMTT/MAS MMTT/MAS MMTT/MAS  Sequence Sequence Pair   | 1 2 3  | 150 to 200<br>125 to 150<br>200 to 250   | Sitting Kneeling Fighting position, unsupported Table Subtotals Sitting Sitting  | <del>-</del> <del>-</del> = |
| TRER'S IGNATURE A   | Saird Di                                | MMTT/MAS MMTT/MAS  MMCINS  Sequence Sequence Pair  | * 5 6  DATE 2/AF   | 125 to 150<br>200 to 250   | Kneeling Fighting position, unsupported Table Subtotals  S Sitting Sitting   | <del>-</del> <del>-</del> = |
| 5 Adva  | anced                                   | MMTT/MAS  Melons  Sequence Sequence Pair   | 6<br>DATE 2/AF<br>1<br>2<br>3  | 200 to 250   | Fighting position, unsupported  Table Subtotals  Sitting Sitting   | <del>-</del> <del>-</del> = |
| 5 Adva  | anced                                   | Sequence<br>Sequence<br>Pair   | DATE 21 Apr 1 2 3  | on al SCORER   | unsupported Table Subtotals IS Sitting Sitting   | <del>-</del> <del>-</del> = |
| 5 Adva  | anced                                   | Sequence<br>Sequence<br>Pair   | 1<br>2<br>3  |  | Table Subtotals  Sitting Sitting   | <del>-</del> <del>-</del> = |
| 5 Adva  | anced                                   | Sequence<br>Sequence<br>Pair   | 1<br>2<br>3  |  | sitting Sitting  | <del>-</del> <del>-</del> = |
| 5 Adva  | anced                                   | Sequence<br>Sequence<br>Pair   | 1<br>2<br>3  |  | Sitting<br>Sitting   | <del>-</del> <del>-</del> = |
| 5 Adva  | anced                                   | Sequence<br>Sequence<br>Pair   | 1<br>2<br>3  |  | Sitting<br>Sitting   | <del>-</del> <del>-</del> = |
| Ins   |   | Sequence<br>Pair   | 2<br>3   |  | Sitting  | <del>/</del> =              |
| Ins   |   | Sequence<br>Pair   | 2<br>3   |  | Sitting  | $\dot{\Xi} \equiv$          |
| Ins   |   | Pair   | 3  |  |  | $\dot{\mathbf{Z}}$          |
| Ins   |   |  | _  |  |  | <u> </u>                    |
|   |   |  | 4  |  | Kneeling   | <b>1</b> /                  |
| IRER'S<br>IGNATURE  |   | Volley   | 5  |  | Kneeling   | <del>-</del> -              |
| IRER'S<br>IGNATURE  |   | Volley   | * 6  |  | Sitting  | $\overline{\mathbf{v}}$     |
| IRER'S<br>IGNATURE  |   |  |  |  | Table Subtotals  |                             |
| RER'S<br>GNATURE  | 1                                       |  |  |  | rubte Subtotuts  | <u> </u>                    |
| IGNATURE <u>2</u>   | aird Din                                | 4  | 20 6   | SCORER (   | s The Sill   | 2- 1                        |
|   | ANTO NIN                                | rens   | DATE 42 M  | PR 94 SIGNATU  | ire in sec   | DATE 22 ADR9                |
|   |   | * Firer must   | t wear a pr  | otective mask w  | hen firing this round.   |                             |
|   |   | CHALLETCATION (  | CDITEDIA   | _ RASED ON TOTAL   | HITS FOR TABLES 3 AND 4  |                             |
|   |   |  |  | 13 HI  |  |                             |
|   |   |  |  | 11 HI  |  |                             |
|   |   |  |  | 9 HITS   |  |                             |
|   |   |  |  | FEWER  |  |                             |
|   |   |  |  |  |  | ·                           |
|   |   | C  | CONSOL   | IDATED S   | SCORES   |                             |
| ISTRUCTIONAL  | L TOTALS (TABLES                        | S 1 AND 2): HITS   | s /8 m   | ISSES 6 CI   | ASS RATING, TABLES 1 AND 2:  | <i>ST</i>                   |
|   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  |  |  |  |                             |
| JAL I F I CAT I O   | N TOTALS (TABLES                        | 3 AND 4): HITS   | s <u>/2</u> n  | isses <u>2</u> ov  | ERALL TOTALS HITS _30  | MISSES 8                    |
|   |   |  |  |  |  |                             |
| RER'S<br>GNATURE  | laved Din                               | kms  | DATE 22/   | Amg4 SCORER'   | s<br>RE <u>Dan Sell</u><br>SFC   | DATE 22Apr                  |
| NGE OIC'S   | R WHA                                   |  |  |  |  |                             |
| GNATURE   | x Jerry CIV                             | lock   |  | RANK _   | SFC  | date 22 <i>fpn 94</i>       |
|   | 7324-R, JUL                             | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \  |  |  |  | •                           |

Figure E-2. Example completed DA Form 7324-R (back).

|            | TABLE 1   |  |  |  |
|------------|---|--|--|--|
|            | M136 AT4 Instructional Fire   |  |  |  |
| TASK       | Each soldier engages an armored target with the M287 tracer   |  |  |  |
|            | bullet trainer.   |  |  |  |
| CONDITIONS | Given one M287 9-mm subcaliber device and twelve rounds of  |  |  |  |
|            | 9-mm tracer ammunition, a suitable firing range, stationary   |  |  |  |
|            | targets at a range of 100 to 300 meters, and other targets  |  |  |  |
|            | moving 8 to 24 kmph at a range of 150 to 200 meters. When a   |  |  |  |
|            | manned, moving tank is available, frontal and oblique-moving targets may be used.                                 |  |  |  |
| STANDARD   | The soldier fires twelve tracer bullets at stationary and moving  |  |  |  |
| OIANDAND   | targets. He engages three of these targets in MOPP4.  |  |  |  |
|            | TABLE 3   |  |  |  |
|            | M136 AT4 Instructional Fire   |  |  |  |
| TASK       | Each soldier engages an armored target with the M287 tracer   |  |  |  |
|            | bullet trainer at night.  |  |  |  |
| CONDITIONS | At night, given one M287 9-mm subcaliber device and twelve  |  |  |  |
|            | rounds of 9-mm tracer ammunition, artificial illumination, a  |  |  |  |
|            | suitable firing range, stationary targets at a range of 100 to 300  |  |  |  |
|            | meters, and other targets moving from 8 to 24 kmph (5 to 15   |  |  |  |
|            | mph) at a range of 150 to 200 meters. When a manned, moving tank is available, frontal and oblique-moving targets |  |  |  |
|            | may be used.  |  |  |  |
| STANDARD   | The soldier fires twelve tracer bullets at stationary and moving  |  |  |  |
|            | targets. He engages two of these targets in MOPP4.  |  |  |  |

Table E-4. Instructional firing tables for the M136 AT4.

| TABLE 2                     |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|
|                             | M136 AT4 Qualification Fire  |  |  |  |  |  |
| TASK                        | Each soldier engages an armored target with the M287   |  |  |  |  |  |
|                             | tracer bullet trainer.   |  |  |  |  |  |
| CONDITIONS                  | Given one M287 9-mm subcaliber device and eight  |  |  |  |  |  |
|                             | rounds of 9-mm tracer ammunition, a suitable firing  |  |  |  |  |  |
|                             | range, stationary targets at a range of 100 to 300 meters, and other targets moving at a rate of 8 to      |  |  |  |  |  |
|                             | 24 kmph (5 to 15 mph) at a range of 150 to 200   |  |  |  |  |  |
|                             | meters. When a manned, moving tank is available,   |  |  |  |  |  |
|                             | frontal and oblique-moving targets may be used.  |  |  |  |  |  |
| STANDARD                    | The soldier fires eight tracer bullets at stationary and   |  |  |  |  |  |
|                             | moving targets and achieves at least six hits. He  |  |  |  |  |  |
|                             | engages two of these targets in MOPP4.  TABLE 4  |  |  |  |  |  |
| M136 AT4 Qualification Fire |  |  |  |  |  |  |
| TASK                        | Each soldier engages an armored target with the M287   |  |  |  |  |  |
| IASK                        | tracer bullet trainer.   |  |  |  |  |  |
| CONDITIONS                  | At night, given one M287 9-mm subcaliber device and  |  |  |  |  |  |
|                             | six rounds of 9-mm tracer ammunition, artificial   |  |  |  |  |  |
|                             | illumination, a suitable firing range, stationary targets at   |  |  |  |  |  |
|                             | a range of 100 to 300 meters, and other targets moving 8 to 24 kmph (5 to 15 mph) at a range of 150 to 200 |  |  |  |  |  |
|                             | 8 to 24 kmph (5 to 15 mph) at a range of 150 to 200  |  |  |  |  |  |
|                             | meters. When a manned, moving tank is available, frontal and oblique-moving targets may be used.           |  |  |  |  |  |
| STANDARD                    | At night, given one M287 9-mm subcaliber device and  |  |  |  |  |  |
|                             | six rounds of 9-mm tracer ammunition, artificial   |  |  |  |  |  |
|                             | illumination, a suitable firing range, stationary targets at   |  |  |  |  |  |
|                             | a range of 100 to 300 meters, and other targets moving   |  |  |  |  |  |
|                             | 8 to 24 kmph (5 to 15 mph) at a range of 150 to 200 meters. When a manned, moving tank is available,       |  |  |  |  |  |
|                             |  |  |  |  |  |  |
|                             | frontal and oblique-moving targets may be used.  |  |  |  |  |  |

Table E-5. Qualification firing tables for the M136 AT4.

| TABLE 5 M136 AT4 Advanced Instructional Fire |  |  |  |
|--|--|--|--|
| F  | ire this table on an appropriate separate, specialized range.  |  |  |
| TASK   | Each soldier engages an armored target with the M287 tracer bullet trainer.  |  |  |
| CONDITIONS                                   | Given one M287 9-mm subcaliber device and six rounds of 9-mm tracer ammunition, a suitable firing range, stationary targets at a range of 100 to 300 meters, and other targets moving 8 to 24 kmph (5 to 15 mph) at a range of 150 to 200 meters. When a manned, moving tank is available, frontal and oblique-moving targets may be used. |  |  |
| STANDARD                                     | The soldier must fire six tracer bullets at stationary and moving targets and achieve at least three hits. He must engage two of the targets with sequence firing, two with pair firing, and two with volley firing, and he must observe MOPP4 while engaging one of the six.  |  |  |

Table E-6. Advanced instructional firing table for the M136 AT4.

|                                | CURRENT | RECOMMENDED |       |
|--------------------------------|---------|-------------|-------|
| EVENT                          | STRAC   | CHANGES     | TOTAL |
| TABLE I                        | 12      | 0           | 12    |
| TABLE II                       | 12      | 0           | 12    |
| TABLE III (QUALIFICATION)      | 8       | 0           | 8     |
| TABLE IV (NIGHT QUALIFICATION) | 6       | 2           | 8     |
| TABLE V (ADVANCE)              | 6       | 0           | 0     |
| TOTAL                          | 44      | 2           | 40    |

Table E-7. Ammunition requirements for night training strategy.

| M136 AT4 (M287 TRAINER) TABLE III/IV |            |                   |          |  |  |  |
|--------------------------------------|------------|-------------------|----------|--|--|--|
| ENGAGEMENT                           | RANGE      | POSITION          | HIT/MISS |  |  |  |
| 1                                    | 125 to 150 | Standing          |          |  |  |  |
| 2                                    | 150 to 200 | Kneeling          |          |  |  |  |
| 3                                    | 200 to 250 | Sitting           |          |  |  |  |
| 4                                    | 250 to 300 | Sitting           |          |  |  |  |
| 5                                    | 125 to 150 | Kneeling          |          |  |  |  |
| 6                                    | 150 to 200 | Fighting Position |          |  |  |  |
| 7                                    | 200 to 250 | Sitting           |          |  |  |  |
| 8                                    | 250 to 300 | Kneeling          |          |  |  |  |

Table E-8. M136 AT4 (M287 trainer) Table III/IV.